

Retired Credits																			0	0	
Expired Credits																			0	0	
Manufacturer Resubmission																			0	0	
Miscellaneous Adjustments *(See Note Below MY)																			0	0	
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	172,540	0	153,592	0	96,266	0	422,398	0
Available Averaging Set Credit Balance	0	172,540	0	153,592	0	96,266	0	422,398	0												

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				0	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																				

Note:

Small Manufacturers Only - All Phase 1 HHD Vehicle Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Autocar (AUT) Qualified Small Manufacturer Indicator: Yes

LHD Engine Credit Summary	MY 2013	MY 2014	MY 2015	MY 2016	MY 2017	MY 2018	MY 2019	MY 2020	Aggregate
	Vocational								
Conventional Credits Earned									0
Phase 1&2 Off-Cycle Credits Earned									0
Banked Credits In									0
Banked Credits Out									0
Trades In									0
Trades Out									0
Retired Credits									0
Expired Credits									0
Useful Life Credit Adjustment for Phase 2									0
Manufacturer Resubmission									0
Miscellaneous Adjustments *(See Note Below MY)									0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																			-53,179	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	30,348	0	34,142	0	24,518	0	15,523	0	17,115	0	121,646	0	
Available Averaging Set Credit Balance	0	30,348	0	34,142	0	24,518	0	15,523	0	17,115	0	121,646	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			9,308	77,077	136,717	223,102	0
AT Banked Credits In																						0	0
AT Banked Credits Out/Expired Credits																						0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	9,308	0	77,077	0	136,717	0	223,102	0	0	
AT Averaging Set Available Credit Balance	0	9,308	0	77,077	0	136,717	0	223,102	0	0													

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Blue Bird Body (BBB) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																				0	0
Expired Credits																				0	0
Manufacturer Resubmission																				0	0
Miscellaneous Adjustments *(See Note Below MY)																				0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																				0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				0	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Chanje (CJE) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																				0	0
Expired Credits																				0	0
Manufacturer Resubmission																				0	0
Miscellaneous Adjustments *(See Note Below MY)																				0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																				0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				0	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Chrysler Group (CRX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	
Conventional Credits Earned																		0
Phase 1&2 Off-Cycle Credits Earned																		0
Banked Credits In																		0
Banked Credits Out																		0
Trades In																		0
Trades Out																		0
Retired Credits																		0
Expired Credits																		0
Useful Life Credit Adjustment for Phase 2																		0
Manufacturer Resubmission																		0
Miscellaneous Adjustments *(See Note Below MY)																		0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	0

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate		
	Vocational	Tractor																	
Conventional Credits Earned																		0	0
Phase 1&2 Off-Cycle Credits Earned																		0	0
Banked Credits In																		0	0
Banked Credits Out																		0	0
Trades In																		0	0
Trades Out																		0	0
Retired Credits																		0	0
Expired Credits																		0	0
Discounted Vocational Engine Credits for Phase 2																		0	0
Manufacturer Resubmission																		0	0
Miscellaneous Adjustments *(See Note Below MY)																		0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	0	0

Note:

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate		
	Vocational	Tractor																	
Conventional Credits Earned																		0	0
Phase 1&2 Off-Cycle Credits Earned																		0	0
Banked Credits In																		0	0
Banked Credits Out																		0	0
Trades In																		0	0
Trades Out																		0	0
Retired Credits																		0	0
Expired Credits																		0	0
Discounted Vocational Engine Credits for Phase 2																		0	0
Manufacturer Resubmission																		0	0
Miscellaneous Adjustments *(See Note Below MY)																		0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	0	0

Note:

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Retired Credits																				0	0	
Expired Credits																					0	0
Manufacturer Resubmission																					0	0
Miscellaneous Adjustments *(See Note Below MY)																					0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																					0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0																					

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																					0	0
AT Banked Credits In																					0	0
AT Banked Credits Out/Expired Credits																					0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																					

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Cummins (CEX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013	MY 2014	MY 2015	MY 2016	MY 2017	MY 2018	MY 2019	MY 2020	Aggregate
	Vocational								
Conventional Credits Earned									0
Phase 1&2 Off-Cycle Credits Earned									0
Banked Credits In									0
Banked Credits Out									0
Trades In									0
Trades Out									0
Retired Credits									0
Expired Credits									0
Useful Life Credit Adjustment for Phase 2									0
Manufacturer Resubmission									0
Miscellaneous Adjustments *(See Note Below MY)									0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned	2,431,980	36,721	3,410,912	43,789	4,133,398	15,849	759,201	-11,977	2,317,429	-4,467	2,045,886	9,008	2,120,459	-12,265	1,962,551	-12,431	19,181,816	64,227
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In								11,977		4,467				12,265		12,431	0	41,140
Banked Credits Out							-11,977		-4,467				-12,265		-12,431		-41,140	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits	-2,431,980	-36,721	-3,410,912	-43,789	-4,133,398	-15,849											-9,976,290	-96,359
Discounted Vocational Engine Credits for Phase 2							-747,224		-1,464,270		-1,490,115		-1,060,768		-1,072,892		-5,835,269	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	848,692	0	555,771	9,008	1,047,426	0	877,228	0	3,329,117	9,008
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	848,692	0	564,779	9,008	1,047,426	0	877,228	0	3,338,125	9,008

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned	452,659	2,354,276	502,112	3,160,240	441,967	1,639,452	-531,266	-874,489	581,624	-308,689	108,061	75,513	899,669	77,690	747,117	250,436	3,201,943	6,374,429
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In							531,266	1,098,000		308,689							531,266	1,406,689
Banked Credits Out	-452,659	-1,176,607							-308,689								-761,348	-1,176,607
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits		-454,198	-502,112	-2,251,204	-441,967	-773,130											-944,079	-3,478,532
Discounted Vocational Engine Credits for Phase 2							0		-272,935		-108,061		-899,669		-747,117		-2,027,782	0
Manufacturer Resubmission		-723,471		-909,036		-866,322		-223,511									0	-2,722,340
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	75,513	0	77,690	0	250,436	0	403,639
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	75,513	75,513	0	77,690	0	250,436	0	403,639

Note: Credit reductions due to Cummins resubmission with new CO2 FCL for XAU family for model years 2013-16

MY13 NOTE: No 1.5X multiplier for early certification because alternate phase-in option used

MY16 NOTE: Used MY13 banked credits to offset these HHD deficits

Retired Credits																			0	0		
Expired Credits																			0	0		
Manufacturer Resubmission																			0	0		
Miscellaneous Adjustments *(See Note Below MY)																			0	0		
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0		
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	179	0	0	0	179	0
Available Averaging Set Credit Balance	0	179	0	0	0	179	0															

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																					0	0
AT Banked Credits In																					0	0
AT Banked Credits Out/Expired Credits																					0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																					

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

Custom Chassis Vehicle Credit Summary	MY 2021 Averaging Set Balance	MY 2022 Averaging Set Balance	MY 2023 Averaging Set Balance	MY2024 Averaging Set Balance	MY2025 Averaging Set Balance	MY2026 Averaging Set Balance	MY2027 Averaging Set Balance
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Daimler Coaches (RCC) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0																

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0																

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0
Expired Credits	-211,053	-1,065,999	-198,807	-1,174,142	-235,490	-1,252,272												-645,350	-3,492,413
Manufacturer Resubmission																		0	0
Miscellaneous Adjustments *(See Note Below MY)																		0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																		0	0
Available Credit Balance	0	0	0	0	0	0	332,237	2,178,860	355,802	944,400	331,284	1,036,547	478,882	1,382,611	894,604	2,781,131	2,392,809	8,323,549	
Available Averaging Set Credit Balance	0	0	0	0	0	0	2,511,097	1,300,202	1,367,831	1,861,493	3,675,735	10,716,358							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																		0	0
AT Banked Credits In																		0	0
AT Banked Credits Out/Expired Credits																		0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																		

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Daimler Trucks (DTN) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																				0	0	
Expired Credits																					0	0
Manufacturer Resubmission																					0	0
Miscellaneous Adjustments *(See Note Below MY)																					0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																					0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0																					

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																					0	0
AT Banked Credits In																					0	0
AT Banked Credits Out/Expired Credits																					0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																					

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Detroit Diesel (DDX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013	MY 2014	MY 2015	MY 2016	MY 2017	MY 2018	MY 2019	MY 2020	Aggregate
	Vocational								
Conventional Credits Earned									0
Phase 1&2 Off-Cycle Credits Earned									0
Banked Credits In									0
Banked Credits Out									0
Trades In									0
Trades Out									0
Retired Credits									0
Expired Credits									0
Useful Life Credit Adjustment for Phase 2									0
Manufacturer Resubmission									0
Miscellaneous Adjustments *(See Note Below MY)									0
Available Averaging Set Credit Balance	0								

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned									19,499		55,375	-698	268,453	1,481	41,808	278	385,135	1,061
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In											698						0	698
Banked Credits Out											-698						-698	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2									-16,713		-18,807		-91,173		0		-126,693	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	2,786	0	35,870	0	177,280	1,481	41,808	278	257,744	1,759
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	2,786	0	35,870	0	177,280	1,481	41,808	278	257,744	1,759

Note:

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor	Vocational	Tractor	Vocational	Tractor												
Conventional Credits Earned	447,299	1,231,159	612,654	2,041,851	685,880	2,312,587	492,178	512,697	788,844	395,642	891,787	743,510	1,041,857	768,702	-122,071	-71,985	4,838,428	7,934,163
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In															122,071	71,985	122,071	71,985
Banked Credits Out							-122,071	-71,985									-122,071	-71,985
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits	-447,299	-1,231,159	-612,654	-2,041,851	-563,809	-2,240,602											-1,623,762	-5,513,612
Discounted Vocational Engine Credits for Phase 2							-418,291		-591,395		-637,529		-744,823		0		-2,392,038	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	73,887	512,697	197,449	395,642	254,258	743,510	297,034	768,702	0	0	822,628	2,420,551
Available Averaging Set Credit Balance	0	0	0	0	0	0	586,584	593,091	997,768	997,768	997,768	997,768	1,065,736	1,065,736	0	0	822,628	3,243,179

Note:

MY13 NOTE: No 1.5X multiplier for early certification because alternate phase-in option used

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

MY20 NOTE: Expiring MY15 credits were used to offset these deficits for MY20

Retired Credits																		0	0	
Expired Credits																			-10,880	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	6,525	0	2,884	0	6,450	0	7,027	0	6,890	0	29,776	0	
Available Averaging Set Credit Balance	0	6,525	0	2,884	0	6,450	0	7,027	0	6,890	0	29,776	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: El Dorado National (EDR) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																			-4,267	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	5,667	0	10,019	0	5,253	0	8,394	0	29,333	0	
Available Averaging Set Credit Balance	0	5,667	0	10,019	0	5,253	0	8,394	0	29,333	0									

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: E-One Inc. (ENE) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013	MY 2014	MY 2015	MY 2016	MY 2017	MY 2018	MY 2019	MY 2020	Aggregate
	Vocational								
Conventional Credits Earned									0
Phase 1&2 Off-Cycle Credits Earned									0
Banked Credits In									0
Banked Credits Out									0
Trades In									0
Trades Out									0
Retired Credits									0
Expired Credits									0
Useful Life Credit Adjustment for Phase 2									0
Manufacturer Resubmission									0
Miscellaneous Adjustments *(See Note Below MY)									0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																			0	0	
Expired Credits																				-3,533	0
Manufacturer Resubmission																				0	0
Miscellaneous Adjustments *(See Note Below MY)																				0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																				0	0
Available Credit Balance	0	0	0	0	0	0	0	1,174	0	1,390	0	235	0	0	0	0	0	0	0	2,799	0
Available Averaging Set Credit Balance	0	1,174	0	1,390	0	235	0	2,799	0												

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				0	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																				

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: EVO Bus (EVB) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013	MY 2014	MY 2015	MY 2016	MY 2017	MY 2018	MY 2019	MY 2020	Aggregate
	Vocational								
Conventional Credits Earned									0
Phase 1&2 Off-Cycle Credits Earned									0
Banked Credits In									0
Banked Credits Out									0
Trades In									0
Trades Out									0
Retired Credits									0
Expired Credits									0
Useful Life Credit Adjustment for Phase 2									0
Manufacturer Resubmission									0
Miscellaneous Adjustments *(See Note Below MY)									0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																			0	0
Expired Credits																			0	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	1,436	0	581	0	1,250	0	626	0	3,893	0
Available Averaging Set Credit Balance	0	1,436	0	581	0	1,250	0	626	0	3,893	0									

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

Custom Chassis Vehicle Credit Summary	MY 2021 Averaging Set Balance	MY 2022 Averaging Set Balance	MY 2023 Averaging Set Balance	MY2024 Averaging Set Balance	MY2025 Averaging Set Balance	MY2026 Averaging Set Balance	MY2027 Averaging Set Balance
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Ferrara Fire (FFA) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																				0	0
Expired Credits																				0	0
Manufacturer Resubmission																				0	0
Miscellaneous Adjustments *(See Note Below MY)																				0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																				0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0																				

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				0	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																				

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Fiat Powertrain (FPX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate		
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		
Conventional Credits Earned			1,215				6,492												7,251
Phase 1&2 Off-Cycle Credits Earned										456									0
Banked Credits In																			456
Banked Credits Out			-456																-456
Trades In																			0
Trades Out																			0
Retired Credits																			0
Expired Credits			-759																-759
Useful Life Credit Adjustment for Phase 2							2,337		0										2,337
Manufacturer Resubmission																			0
Miscellaneous Adjustments *(See Note Below MY)																			0
Available Averaging Set Credit Balance	0		0		0		8,829		0		0		0		0		0		8,829

Note: MY17 NOTE: This deficit was offset using banked MY14 credits

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate			
	Vocational	Tractor																		
Conventional Credits Earned																			0	0
Phase 1&2 Off-Cycle Credits Earned																			0	0
Banked Credits In																			0	0
Banked Credits Out																			0	0
Trades In																			0	0
Trades Out																			0	0
Retired Credits																			0	0
Expired Credits																			0	0
Discounted Vocational Engine Credits for Phase 2																			0	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0		0	0

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate			
	Vocational	Tractor																		
Conventional Credits Earned																			0	0
Phase 1&2 Off-Cycle Credits Earned																			0	0
Banked Credits In																			0	0
Banked Credits Out																			0	0
Trades In																			0	0
Trades Out																			0	0
Retired Credits																			0	0
Expired Credits																			0	0
Discounted Vocational Engine Credits for Phase 2																			0	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0		0	0

Note:

Retired Credits																		0	0	
Expired Credits																			0	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	303	0	2,740	0	3,080	0	2,829	0	2,205	0	11,157	0	
Available Averaging Set Credit Balance	0	303	0	2,740	0	3,080	0	2,829	0	2,205	0	11,157	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Ford Motor (FMX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	
Conventional Credits Earned			252,236		217,062		161,215		11,289		9,003		22,124		359,461		1,032,390	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits			-252,236		-217,062												-469,298	
Useful Life Credit Adjustment for Phase 2							58,037		4,064		3,241		7,965		129,406		202,713	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0		0		219,252		15,353		12,244		30,089		488,867		765,805	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned							26,165	-1,694	16,742	-1,034	17,924		36,783		71,427		169,041	-2,728
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In								1,694		1,034							0	2,728
Banked Credits Out							-1,694		-1,034								-2,728	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2							-24,471		-15,708		-17,924		-36,783		-55,668		-150,554	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	15,759	0	15,759	0												
Available Averaging Set Credit Balance	0	0	15,759	0	15,759	0												

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0																
Available Averaging Set Credit Balance	0	0																

Note:

Retired Credits																				0	0
Expired Credits																				0	0
Manufacturer Resubmission																				0	0
Miscellaneous Adjustments *(See Note Below MY)																				0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																				0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0																				

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				0	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																				

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: General Motors (GMX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Useful Life Credit Adjustment for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Discounted Vocational Engine Credits for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Discounted Vocational Engine Credits for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																			-42,559	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	22,590	0	28,570	0	36,657	0	35,565	0	23,516	0	146,898	0	
Available Averaging Set Credit Balance	0	22,590	0	28,570	0	36,657	0	35,565	0	23,516	0	146,898	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			4,131	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	1,033	0	3,098	0	0	0	0	0	4,131	0	
AT Averaging Set Available Credit Balance	0	1,033	0	3,098	0	0	0	0	0	4,131	0									

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Gillig LLC (GLG) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Useful Life Credit Adjustment for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Discounted Vocational Engine Credits for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Discounted Vocational Engine Credits for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																			0	0	
Expired Credits																			0	0	
Manufacturer Resubmission																			0	0	
Miscellaneous Adjustments *(See Note Below MY)																			0	0	
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10	0
Available Averaging Set Credit Balance	0	10	0	0	0	10	0														

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				0	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																				

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Hino Manufacturing (HNM) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																			0	0
Expired Credits																			0	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,491	0
Available Averaging Set Credit Balance	0	1,491	0																	

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

Custom Chassis Vehicle Credit Summary	MY 2021 Averaging Set Balance	MY 2022 Averaging Set Balance	MY 2023 Averaging Set Balance	MY2024 Averaging Set Balance	MY2025 Averaging Set Balance	MY2026 Averaging Set Balance	MY2027 Averaging Set Balance
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Hino Motors (HMX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0																

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0																

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Retired Credits																				0	0	
Expired Credits																					0	0
Manufacturer Resubmission																					0	0
Miscellaneous Adjustments *(See Note Below MY)																					0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																					0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0																					

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																					0	0
AT Banked Credits In																					0	0
AT Banked Credits Out/Expired Credits																					0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																					

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Isuzu Motors (SZX) Qualified Small Manufacturer Indicator: No

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
LHD Engine Credit Summary	Vocational		Vocational		Vocational													
Conventional Credits Earned																		125,002
Phase 1&2 Off-Cycle Credits Earned					56,886		54,534							8,983		4,599		0
Banked Credits In																		0
Banked Credits Out																		0
Trades In																		0
Trades Out																		0
Retired Credits																		0
Expired Credits					-56,886													-56,886
Useful Life Credit Adjustment for Phase 2							19,632						3,234		1,656			24,522
Manufacturer Resubmission																		0
Miscellaneous Adjustments *(See Note Below MY)																		0
Available Averaging Set Credit Balance	0		0		0		74,166		0		0		12,217		6,255		92,638	

Note:

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
MHD Engine Credit Summary	Vocational	Tractor																
Conventional Credits Earned															0		0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2															0		0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Note:

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
HHD Engine Credit Summary	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Note:

Retired Credits																		0	0	
Expired Credits																			0	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	3,002	0	3,338	0	2,643	0	2,026	0	5,063	0	16,072	0	
Available Averaging Set Credit Balance	0	3,002	0	3,338	0	2,643	0	2,026	0	5,063	0	16,072	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Kovatch Mobile (KME) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Retired Credits																				0	0
Expired Credits																				0	0
Manufacturer Resubmission																				0	0
Miscellaneous Adjustments *(See Note Below MY)																				0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																				0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0																				

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				0	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																				

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Mitsubishi Fuso (MFT) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																			-37,287	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	20,456	0	17,967	0	32,067	0	28,204	0	43,029	0	141,723	0	
Available Averaging Set Credit Balance	0	20,456	0	17,967	0	32,067	0	28,204	0	43,029	0	141,723	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			2,046	2,046	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,046	0	2,046	0
AT Averaging Set Available Credit Balance	0	2,046	0	2,046	0																

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Motor Coach Industries (MCH) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	
Conventional Credits Earned																		0
Phase 1&2 Off-Cycle Credits Earned																		0
Banked Credits In																		0
Banked Credits Out																		0
Trades In																		0
Trades Out																		0
Retired Credits																		0
Expired Credits																		0
Useful Life Credit Adjustment for Phase 2																		0
Manufacturer Resubmission																		0
Miscellaneous Adjustments *(See Note Below MY)																		0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate		
	Vocational	Tractor																	
Conventional Credits Earned																		0	0
Phase 1&2 Off-Cycle Credits Earned																		0	0
Banked Credits In																		0	0
Banked Credits Out																		0	0
Trades In																		0	0
Trades Out																		0	0
Retired Credits																		0	0
Expired Credits																		0	0
Discounted Vocational Engine Credits for Phase 2																		0	0
Manufacturer Resubmission																		0	0
Miscellaneous Adjustments *(See Note Below MY)																		0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0	0

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate		
	Vocational	Tractor																	
Conventional Credits Earned																		0	0
Phase 1&2 Off-Cycle Credits Earned																		0	0
Banked Credits In																		0	0
Banked Credits Out																		0	0
Trades In																		0	0
Trades Out																		0	0
Retired Credits																		0	0
Expired Credits																		0	0
Discounted Vocational Engine Credits for Phase 2																		0	0
Manufacturer Resubmission																		0	0
Miscellaneous Adjustments *(See Note Below MY)																		0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0	0

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits	-186,954	-209,594					-44,843	-449,996											-231,797	-659,590
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	0	60,666	487,643	87,392	253,446	118,116	304,548	171,649	565,731	325,748	879,437	763,571	2,490,805
Available Averaging Set Credit Balance	0	548,309	340,838	422,664	737,380	1,205,185	3,254,376													

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Navistar (NVX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013	MY 2014	MY 2015	MY 2016	MY 2017	MY 2018	MY 2019	MY 2020	Aggregate
	Vocational								
Conventional Credits Earned		-681					28,161	35,577	63,057
Phase 1&2 Off-Cycle Credits Earned									0
Banked Credits In		681							681
Banked Credits Out									0
Trades In									0
Trades Out									0
Retired Credits									0
Expired Credits									0
Useful Life Credit Adjustment for Phase 2							10,138	12,808	22,946
Manufacturer Resubmission									0
Miscellaneous Adjustments *(See Note Below MY)									0
Available Averaging Set Credit Balance	0	0	0	0	0	0	38,299	48,385	86,684

Note:

MY14 NOTE: LHD engine deficit offset with MY14 LHD Vehicle AT Credits

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned			-6,211	-1,048	83,030	-50	70,179	-167	1,752						148,750	-1,265		
Phase 1&2 Off-Cycle Credits Earned															0	0		
Banked Credits In			6,211	1,048		50		167							6,211	1,265		
Banked Credits Out					-50		-167								-217	0		
Trades In															0	0		
Trades Out															0	0		
Retired Credits															0	0		
Expired Credits					-82,980										-82,980	0		
Discounted Vocational Engine Credits for Phase 2							-70,012		-1,752						-71,764	0		
Manufacturer Resubmission															0	0		
Miscellaneous Adjustments *(See Note Below MY)															0	0		
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note:

MY14 NOTE:MHD engine deficit offset with MY14 LHD Vehicle AT Credits

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned			130,740	-53,184	158,828	4,234	110,497	5,619	53,616	3,014	113,836	58,919	237,206	62,769	158,145	37,718	962,868	119,089
Phase 1&2 Off-Cycle Credits Earned															0	0		
Banked Credits In				53,184											0	53,184		
Banked Credits Out			-53,184												-53,184	0		
Trades In															0	0		
Trades Out															0	0		
Retired Credits															0	0		
Expired Credits			-77,556		-158,828	-4,234			-53,616	3,014	-81,848		-169,433		-112,961		-236,384	-4,234
Discounted Vocational Engine Credits for Phase 2							-110,497		-53,616		-81,848		-169,433		-112,961		-528,355	0
Manufacturer Resubmission															0	0		
Miscellaneous Adjustments *(See Note Below MY)															0	0		
Available Credit Balance	0	0	0	0	0	0	0	5,619	0	3,014	31,988	58,919	67,773	62,769	45,184	37,718	144,945	168,039
Available Averaging Set Credit Balance	0	0	0	0	0	0	5,619	0	3,014	0	90,907	58,919	130,542	62,769	82,902	37,718	312,984	168,039

Note:

Retired Credits																		0	0	
Expired Credits																			-14,055	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	31,620	0	30,765	0	31,261	0	33,979	0	37,215	0	164,840	0	
Available Averaging Set Credit Balance	0	31,620	0	30,765	0	31,261	0	33,979	0	37,215	0	164,840	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																				
AT Banked Credits In																				
AT Banked Credits Out/Expired Credits																				
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	23,265	0	164,435	0	170,268	0	90,495	0	448,463	0	
AT Averaging Set Available Credit Balance	0	23,265	0	164,435	0	170,268	0	90,495	0	448,463	0									

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: New Flyer (NFA) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	0

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	0

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																			-19,223	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	12,799	0	8,434	0	19,428	0	21,983	0	34,468	0	97,112	0	
Available Averaging Set Credit Balance	0	12,799	0	8,434	0	19,428	0	21,983	0	34,468	0	97,112	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Oshkosh (OSH) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0	0	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits	-32,808		-204,235																-591,579	-10,042
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	360,243	397,917	364,001	299,416	465,882	347,774	570,843	426,408	1,028,419	831,186	2,789,388	2,302,701	
Available Averaging Set Credit Balance	0	758,160	663,417	663,417	663,417	813,656	997,251	997,251	997,251	1,859,605	1,859,605	5,092,089	5,092,089							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			1,037	9,547	1,037	9,547	
AT Banked Credits In																				0	0	0	0
AT Banked Credits Out/Expired Credits																				0	0	0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,037	9,547	1,037	9,547	
AT Averaging Set Available Credit Balance	0	10,584	10,584	10,584	10,584																		

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

Custom Chassis Vehicle Credit Summary	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: PACCAR Inc. (PCR) Qualified Small Manufacturer Indicator: No

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
LHD Engine Credit Summary	Vocational																	
Conventional Credits Earned																		0
Phase 1&2 Off-Cycle Credits Earned																		0
Banked Credits In																		0
Banked Credits Out																		0
Trades In																		0
Trades Out																		0
Retired Credits																		0
Expired Credits																		0
Useful Life Credit Adjustment for Phase 2																		0
Manufacturer Resubmission																		0
Miscellaneous Adjustments *(See Note Below MY)																		0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	0

Note:

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
MHD Engine Credit Summary	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	0

Note:

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
HHD Engine Credit Summary	Vocational	Tractor	Vocational	Tractor														
Conventional Credits Earned			326,065	34,426	537,598	67,663	718,430	71,794	730,166	33,112	875,172	47,235	1,175,446	275,695	266,169	-209,767	4,629,046	320,158
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																209,767	0	209,767
Banked Credits Out															-209,767		-209,767	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits			-326,065	-34,201	-537,598	-67,663			-536,823		-386,433		-463,461		-568,027	0	-863,663	-101,864
Discounted Vocational Engine Credits for Phase 2																	-1,954,744	0
Manufacturer Resubmission				-225													0	-225
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	181,607	71,794	343,733	33,112	411,711	47,235	607,419	275,695	56,402	0	1,600,872	427,836
Available Averaging Set Credit Balance	0		0		0		253,401		376,845		458,946		883,114		56,402		2,028,708	

Note:

MY14 NOTE: PACCAR resubmitted EOY report for error in tractor credits

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Retired Credits																		0	0		
Expired Credits																		0	0		
Manufacturer Resubmission																		0	0		
Miscellaneous Adjustments *(See Note Below MY)																		0	0		
Custom Chassis Deficit Transfer (Small Manufacturers Only)																		0	0		
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,365	0	4,365	0
Available Averaging Set Credit Balance	0	4,365	0	4,365	0																

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																		0	0		
AT Banked Credits In																		0	0		
AT Banked Credits Out/Expired Credits																		0	0		
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																				

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Rosenbauer Motors (RML) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0																

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0																

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																		0	0	
Manufacturer Resubmission																		0	0	
Miscellaneous Adjustments *(See Note Below MY)																		0	0	
Custom Chassis Deficit Transfer (Small Manufacturers Only)																		0	0	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,049	0	6,049	0
Available Averaging Set Credit Balance	0	6,049	0	6,049	0															

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																		0	0	
AT Banked Credits In																		0	0	
AT Banked Credits Out/Expired Credits																		0	0	
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Spartan Fire (SFL) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																			-8,215	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	12,241	0	1,383	0	2,215	0	2,320	0	1,944	0	20,103	0	
Available Averaging Set Credit Balance	0	12,241	0	1,383	0	2,215	0	2,320	0	1,944	0	20,103	0							

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			0	0
AT Banked Credits In																			0	0
AT Banked Credits Out/Expired Credits																			0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Terex Corp. (TRX) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0																

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0																

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																				0	0	
Expired Credits																					-17,180	0
Manufacturer Resubmission																					0	0
Miscellaneous Adjustments *(See Note Below MY)																					0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																					0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																					0	0
AT Banked Credits In																					0	0
AT Banked Credits Out/Expired Credits																					0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Tiffin Motor Homes (TFF) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0	0	0														

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0	0	0														

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																			0	0
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	31,343	0	26,560	0	27,764	0	29,013	0	114,680	0	
Available Averaging Set Credit Balance	0	31,343	0	26,560	0	27,764	0	29,013	0	114,680	0									

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			1,013	1,013	0
AT Banked Credits In																				0	0
AT Banked Credits Out/Expired Credits																				0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,013	0	1,013	0
AT Averaging Set Available Credit Balance	0	1,013	0	1,013	0																

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

Custom Chassis Vehicle Credit Summary	MY 2021 Averaging Set Balance	MY 2022 Averaging Set Balance	MY 2023 Averaging Set Balance	MY2024 Averaging Set Balance	MY2025 Averaging Set Balance	MY2026 Averaging Set Balance	MY2027 Averaging Set Balance
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Van Hool N.V. (VNH) Qualified Small Manufacturer Indicator: No

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Useful Life Credit Adjustment for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Discounted Vocational Engine Credits for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned	0																	
Phase 1&2 Off-Cycle Credits Earned	0																	
Banked Credits In	0																	
Banked Credits Out	0																	
Trades In	0																	
Trades Out	0																	
Retired Credits	0																	
Expired Credits	0																	
Discounted Vocational Engine Credits for Phase 2	0																	
Manufacturer Resubmission	0																	
Miscellaneous Adjustments *(See Note Below MY)	0																	
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

Retired Credits																		0	0	
Expired Credits																			-450,812	-461,576
Manufacturer Resubmission																			0	0
Miscellaneous Adjustments *(See Note Below MY)																			0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																			0	0
Available Credit Balance	0	0	0	0	0	0	0	261,809	1,081,938	215,006	459,823	292,251	452,807	270,644	651,571	593,335	1,234,873	1,633,045	3,881,012	
Available Averaging Set Credit Balance	0	1,343,747	674,829	745,058	922,215	1,828,208	5,514,057													

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																			5,236	14,270	5,236	14,270
AT Banked Credits In																				0	0	
AT Banked Credits Out/Expired Credits																				0	0	
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,236	14,270	5,236	14,270
AT Averaging Set Available Credit Balance	0	19,506	19,506																			

Note:

Small Manufacturers Only-MY2018-21 HHD Vocational Only Banked Credits Valid Through MY2027

Custom Chassis Vehicle Credit Summary	MY 2021 Averaging Set Balance	MY 2022 Averaging Set Balance	MY 2023 Averaging Set Balance	MY2024 Averaging Set Balance	MY2025 Averaging Set Balance	MY2026 Averaging Set Balance	MY2027 Averaging Set Balance
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: Volvo Group Trucks (VPT) Qualified Small Manufacturer Indicator: No

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
LHD Engine Credit Summary	Vocational																	
Conventional Credits Earned																		0
Phase 1&2 Off-Cycle Credits Earned																		0
Banked Credits In																		0
Banked Credits Out																		0
Trades In																		0
Trades Out																		0
Retired Credits																		0
Expired Credits																		0
Useful Life Credit Adjustment for Phase 2																		0
Manufacturer Resubmission																		0
Miscellaneous Adjustments *(See Note Below MY)																		0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	0

Note:

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
MHD Engine Credit Summary	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0		0		0		0		0		0		0		0		0	0

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
HHD Engine Credit Summary	Vocational	Tractor	Vocational	Tractor	Vocational	Tractor	Vocational	Tractor	Vocational	Tractor	Vocational	Tractor	Vocational	Tractor	Vocational	Tractor	Vocational	Tractor
Conventional Credits Earned			409,923	834,350	1,176,895	610,293	399,166	467,712	682,271	-438,947	604,416	-202,446	794,938	-195,230	5,477	-167,529	4,073,086	908,203
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In									438,947		202,446		195,230		167,529		0	1,004,152
Banked Credits Out								-162,052		-438,947		-202,446		-195,230		-5,477	-842,100	-162,052
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits			-409,923	-834,350	-1,176,895	-448,241											-1,586,818	-1,282,591
Discounted Vocational Engine Credits for Phase 2									-399,166		-243,324		-401,970		-599,708		-1,644,168	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	467,712	0	0	0	0	0	0	0	0	0	467,712
Available Averaging Set Credit Balance	0		0		0		467,712		0		0		0		0		467,712	

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note:

MY20 NOTE: Used expiring MY15 credits to offset MY20 deficit

Retired Credits																				0	0	
Expired Credits																					0	0
Manufacturer Resubmission																					0	0
Miscellaneous Adjustments *(See Note Below MY)																					0	0
Custom Chassis Deficit Transfer (Small Manufacturers Only)																					0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance	0																					

Phase 1 Only Advanced Technology Credit Summary

AT Credits Earned																					0	0
AT Banked Credits In																					0	0
AT Banked Credits Out/Expired Credits																					0	0
AT Final Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT Averaging Set Available Credit Balance	0																					

Note:

Small Manufacturers Only - All Phase 1 HHD Vehicle Banked Credits Valid Through MY2027

	MY 2021	MY 2022	MY 2023	MY2024	MY2025	MY2026	MY2027
Custom Chassis Vehicle Credit Summary	Averaging Set Balance						
School Bus							
Motor Home							
Coach Bus							
Other Bus							
Refuse Hauler							
Concrete Mixer							
Mixed-Use Vehicle							
Emergency Vehicle							
Drayage Tractor							

Note: Each Category Above Represents an Averaging Set

Note: Drayage Tractor and Other Bus Will Be Averaged Together to Show Compliance

Note: Small Manufacturers Only Can Use Conventional Vehicle Credits to Offset Custom Chassis Deficit

Heavy-Duty Certified CI Engines Credit Summary

Manufacturer: XOS Trucks (Inc.) Qualified Small Manufacturer Indicator: Yes

LHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational		Vocational	Vocational
Conventional Credits Earned																	0	
Phase 1&2 Off-Cycle Credits Earned																	0	
Banked Credits In																	0	
Banked Credits Out																	0	
Trades In																	0	
Trades Out																	0	
Retired Credits																	0	
Expired Credits																	0	
Useful Life Credit Adjustment for Phase 2																	0	
Manufacturer Resubmission																	0	
Miscellaneous Adjustments *(See Note Below MY)																	0	
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0

Note:

MHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0

Alternate Ph2 Transition Certification- All MHD Credits Banked in MY2018+ Valid Through MY2030

Note:

HHD Engine Credit Summary	MY 2013		MY 2014		MY 2015		MY 2016		MY 2017		MY 2018		MY 2019		MY 2020		Aggregate	
	Vocational	Tractor																
Conventional Credits Earned																	0	0
Phase 1&2 Off-Cycle Credits Earned																	0	0
Banked Credits In																	0	0
Banked Credits Out																	0	0
Trades In																	0	0
Trades Out																	0	0
Retired Credits																	0	0
Expired Credits																	0	0
Discounted Vocational Engine Credits for Phase 2																	0	0
Manufacturer Resubmission																	0	0
Miscellaneous Adjustments *(See Note Below MY)																	0	0
Available Credit Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Available Averaging Set Credit Balance		0		0		0		0		0		0		0		0		0

Alternate Ph2 Transition Certification- All HHD Credits Banked in MY2018+ Valid Through MY2030

Note: